Directions

Glance 'n Go Sampling for Greenbugs in Winter Wheat

Treatment Threshold = 10 Greenbugs/Tiller



Economic Thresholds for January - May

Prepared by Tom A. Royer and K.L. Giles, Oklahoma State University, and N.C. Elliott, USDA-ARS, Stillwater, OK.

- ► To sample the wheat field, use a "zig zag" or "W" pattern and walk at least 15 steps (about 30 ft) between stops.
- ► Carefully pull and examine 3 tillers (stems) per stop, taking one tiller from the left, right, and front.
- At each stop, color in the leaf for each tiller that has one or more greenbugs on it, and keep a running total. If the number of infested tillers is less than or equal to the number in the "Don't Treat" column then stop sampling, and do not treat. If the number of infested tillers is equal to or greater than the number in the "Treat" column then stop sampling, and treat the field. If the number falls within the numbers listed in the "Keep Sampling" column, continue sampling until a decision can be made, or the "Stop Sampling" box has been reached.
- ▶ If the "Stop Sampling" box is reached and a decision is not made:
 - ▶ Do not spray if most of the greenbugs are mummies.
 - ▶ Recheck the field in 2-4 days if no or very few mummies are present.

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Field 1

Date

Spring, Threshold = 10

Sample ▼		Total tillers with 1 or more	Dont	Keep Sampling	Treat				
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼	▼
Tillers 1-15 ▶	۵۵۵	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /15▶	10 or less	11-15	N/A
Tillers 16-30 ▶	۵۵۵	٥٥٥	۵۵۵	٥٥٥	٥٥٥	▶ /30 ▶	24 or less	24-30	N/A
Tillers 31-45 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /45 ▶	38 or less	39-44	45
Tillers 46-60 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	▶ /60▶	52 or less	53-57	58 or more
Tillers 61-75 ▶	$\Diamond \Diamond \Diamond$	$\Diamond\Diamond\Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /75 ▶	65 or less	66-71	72 or more
Tillers 76-90 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	۵۵۵	▶ /90▶	79 or less	80-85	86 or more
		Stop Samplin	g Resamp	le in 2-4 days		•			

Field 2

Date

Spring, Threshold = 10

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Sample ▼		Total tillers with 1 or more	Don't Treat	Keep Sampling	Treat				
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼	▼
Tillers 1-15 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	۵۵۵	▶ /15▶	10 or less	11-15	N/A
Tillers 16-30 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	► /30 ►	24 or less	24-30	N/A
Tillers 31-45 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /45 ▶	38 or less	39-44	45
Tillers 46-60 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /60 ▶	52 or less	53-57	58 or more
Tillers 61-75 ▶	٥٥٥	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	▶ /75 ▶	65 or less	66-71	72 or more
Tillers 76-90 ▶	۵۵۵	000	٥٥٥	٥٥٥	۵۵۵	▶ /90▶	79 or less	80-85	86 or more
		Stop Samplin	g Resamp	le in 2-4 days		-	•		

Field 3		Date	S	pring, Thres	shold = 10			OKL	AND COOPERATIVE EXTENSION SERVICE
Sample ▼	Cham 1	Total tillers with 1 or more	Don't Treat	Keep Sampling					
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	- ▼	▼
Tillers 1-15 ▶	٥٥٥	۵۵۵	۵۵۵	۵۵۵	۵۵۵	▶ /15▶	10 or less	11-15	N/A
Tillers 16-30 ▶	۵۵۵	٥٥٥	۵۵۵	٥٥٥	۵۵۵	▶ /30 ▶	24 or less	24-30	N/A
Tillers 31-45 ▶	۵۵۵	٥٥٥	۵۵۵	٥٥٥	٥٥٥	▶ /45▶	38 or less	39-44	45
Tillers 46-60 ▶	۵۵۵	٥٥٥	۵۵۵	٥٥٥	٥٥٥	▶ /60▶	52 or less	53-57	58 or more
Tillers 61-75 ▶	٥٥٥	٥٥٥	۵۵۵	٥٥٥	٥٥٥	▶ /75 ▶	65 or less	66-71	72 or more
Tillers 76-90 ▶	$\Lambda\Lambda\Lambda$	$\Lambda\Lambda\Lambda$	$\Lambda\Lambda\Lambda$	$\Lambda\Lambda\Lambda$	$\Lambda\Lambda\Lambda$	▶ /90 ▶	79 or less	80-85	86 or more

Field 4	Date	Spring, Threshold = 10

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Sample ▼		Stop eve Mark a leaf for ea	Total tillers with 1 or more	Don't Treat	Keep Sampling	Treat			
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼ °	\blacksquare
Tillers 1-15 ▶	٥٥٥	٥٥٥	۵۵۵	۵۵۵	۵۵۵	▶ /15▶	10 or less	11-15	N/A
Tillers 16-30 ▶	٥٥٥	٥٥٥	٥٥٥	٥٥٥	٥٥٥	► /30 ►	24 or less	24-30	N/A
Tillers 31-45 ▶	٥٥٥	٥٥٥	٥٥٥	۵۵۵	۵۵۵	▶ /45 ▶	38 or less	39-44	45
Tillers 46-60 ▶	۵۵۵	۵۵۵	۵۵۵	۵۵۵	۵۵۵	▶ /60▶	52 or less	53-57	58 or more
Tillers 61-75 ▶	٥٥٥	٥٥٥	٥٥٥	۵۵۵	۵۵۵	► /75 ►	65 or less	66-71	72 or more
Tillers 76-90 ▶	$\Diamond \Diamond \Diamond$	000	٥٥٥	٥٥٥	۵۵۵	▶ /90▶	79 or less	80-85	86 or more
		Stop Samplin	g Resamp	le in 2-4 days		•	•		

Field 5 Date Spring, Threshold = 10

Sample ▼		Stop eve Mark a leaf for ea	Total tillers with 1 or more	Dont	Keep Sampling	Treat			
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5	greenbugs	▼	▼	▼
Tillers 1-15 ▶	٥٥٥	٥٥٥	۵۵۵	٥٥٥	۵۵۵	▶ /15▶	10 or less	11-15	N/A
Tillers 16-30 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	▶ /30 ▶	24 or less	24-30	N/A
Tillers 31-45 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	▶ /45 ▶	38 or less	39-44	45
Tillers 46-60 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	٥٥٥	▶ /60 ▶	52 or less	53-57	58 or more
Tillers 61-75 ▶	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	$\Diamond \Diamond \Diamond$	٥٥٥	٥٥٥	▶ /75 ▶	65 or less	66-71	72 or more
Tillers 76-90 ▶	٥٥٥	٥٥٥	٥٥٥	۵۵۵	۵۵۵	▶ /90 ▶	79 or less	80-85	86 or more